2002P05893 - Application No. 10/511,392 Response to Office action Sept. 2, 2008 Response submitted October 24, 2008

## **Amendments to the Claims**

## **Listing of Claims:**

Claim 1 (canceled).

Claim 2 (currently amended). The method as claimed in claim 1, wherein claim 17, wherein the set point acceleration for individual sections is proportional to the velocity.

Claim 3 (currently amended). The method as claimed in claim 1, wherein claim 17, wherein to control the acceleration indirectly, a torque of the drive is regulated.

Claim 4 (previously presented). The method as claimed in claim 3, characterized in that a PI controller is used to control the torque.

Claim 5 (previously presented). The method as claimed in claim 3, when the torque is controlled it is kept within predefined limits.

Claim 6 (previously presented). The method as claimed in claim 3, wherein an additional torque which is proportional to the set point acceleration is added to the torque, and a proportionality constant is dependent on vehicle values.

Claim 7 (original). The method as claimed in claim 6, wherein the vehicle values are vehicle mass, a transmission ratio and/or diameter of the wheels.

Claim 8 (currently amended). The method as claimed in claim 1, wherein claim 17,

wherein the velocity of the rail' vehicle is determined from rotational speeds of the

drive and/or of an axle.

Claim 9 (currently amended). The method as claimed in claim 1, wherein claim 17,

wherein the acceleration is determined as a first derivative of the velocity.

Claim 10-16 (canceled).

Claim 17 (new). A method for electrodynamically braking a rail vehicle which is

equipped with a drive, the method which comprises:

determining a linear function and storing the linear function as a characteristic

curve representing a dependence of a negative setpoint acceleration on a velocity of

the rail vehicle;

during a braking operation, repeatedly measuring the velocity and the

negative acceleration of the rail vehicle;

controlling, in a closed-loop control process, the measured negative

acceleration of the rail vehicle towards the setpoint acceleration taken from the

characteristic curve, so as to approach the negative setpoint acceleration.

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